BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64
No:EE/YNK-D/E-PMT/06/2014-15 Dated: 23-01-2015

APPROVED TENDER SCHEDULE –'B'

Item No: 09

Name of Work:-Drilling of borewells and providing pump and motors in Allalasandra SC colony Someshwaranagara and Sharadanagara in ward No:04 of Yelahanka Satellite Town Sub Division

Sl	Description	Unit	Approved Qty	Rate Quoted by the Contractor Approved Ratos Sri K RAVIKUMAR	
				Rate	Rate in Words
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Verunar or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper sealing of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging technical personal and labour required etc., as per Specification and direction	Each	3.00	1800.00	Rupees one thousand eight hundred only
2	Sinking borewell of 105 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap etc.,)	Rmtr			
	0 to 50 m		150.00	300.00	Rupees three hundred only
	50 to 100 m		150.00	390.00	Rupees three hundred ninety only
	100 to 150 m		150.00	420.00	Rupees four hundred thirty only
	150 to 200 m		150.00	450.00	Rupees four hundred fifty only
	200 to 250 m		150.00	540.00	Rupees five hundred forty only
	250 to 300m		150.00	570.00	Rupees fivehundred seventy only
3	Supply of ISt mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes)	Rmtr	210.00	1325.00	Rupees one thousand three hundred twenty five only

Sl	Description	Unit	Approved Qty	Rate Quoted by the Contractor Approved Rates Sri K RAVIKUMAR	
				Rate	Rate in Words
4	Providing and fixing 250mm dia PVC 6 kg/sqcm pressure pipe including jolning and labur chargas for laying pipes and as per specification and directions. (BWSSB SR 13-14, P.No.45 1.no.1 of sl.no.11.)	Each	54.00	754.00	Rupees seven hundred fifty four only
5	Providing and fixing 160mm Borewell cap	Each	3	100.00	Rupees one hundrec only
6	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by meaans of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for operation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return valuc etc. complete . The pump and motor shall form an integral unit with all the required fittings	No	3.00	60084.00	Rupees sixty thousand eighty four only
7	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes throaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008.	Rmtr			
			760.00	374.00	Rupees three hundred seventy four only
8	Heavy Duty Collar 50 mm dia		110.00	130.00	Rupees one hundred thirty only
9	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 46/ I No. 30-B 4.0 Sqm mm of 36 strands 0.3mm dia Group - A KPWD Electrical SR 2007-08 3/2006-09 4536/19.01 2009 (1x3x4.00 Sqmm PVC cable	Mtr	1620.00	150.00	Rupees one hundrec fifty only
10	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost)	No	3.00	3000.00	Rupees three thousand only
11	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc.,	Each	3.00	284.00	Rupees two hundred eighty four only
12	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class	Mtr	75.00	150.00	Rupees one hundred fifty only
13	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000	Mtr	75.00	8.00	Rupees eight only
14	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete (as per Civil SR KSR8	Mtr	60.00	60.00	Rupees sixty only

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15	Supplying and fixing of Class A (mealum duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class	Mtr	12.00	1950.00	Rupees one thousand nine hundred fifty only
16	Supplying and fixing L.T. cast iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc	No	3.00	250.00	Rupees two hundred fifty only
17	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal proption of salt and charcoal 150 mm around the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size. as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (PWD Electrical SR-1999-2000	No	3.00	1940.00	Rupees one thousand nine hundred forty only
18	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete ... P No. 30/I No 3b	No	18.00	99.00	Rupees ninety nine only
19	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13	No	3.00	1111.00	Rupees one thousand one hundred eleven only
20	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No. 84 / I. No. 13.81.3	Nos	3.00	200.00	Rupees two hundred only
21	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc coompleto	No	12.00	80.00	Rupees eighty only
22	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications	No	3.00	350.00	Rupees three hundred fifty only
23	Supplying and fixing miniature circuit breakers/isolaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 30 amps tripte pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications	No	3.00	1000.00	Rupees one thousand only
24	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with lamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm	Sq.Cm	70200.00	0.33	Paise thirty three only

Sl	Description	Unit	Approved Qty	Rate Quoted by the Contrac... Approved Rates Sri K RAVIKUMAR	
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25	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum. mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset.	No	3.00	11000.00	Rupees eleven thousand only
26	Earth work excavation for pipeline trenches including depositing on bank upto a lead of 50 mtrs including shoring and strutting danger lighting and using sight rails and boning rods at every 100 mtrs wherever necessary as directed in the following strata manual means in hard soil	Cum	75.94	185.00	Rupees one hundred eighty eight only
27	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and including lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth available from the execavation Etc., **Page No.12 Item No.3.4.2 b PRED SR 2010-11.**	Rmtr			
	75 mm dia G KSC PVC pipe		225.00	155.00	Rupees one hundred fifty five only
28	Refilling the basement and pipe line trenches with selected available earth from trench excavation including watering consolidation in layers of 15 cm thick including disposing of the surplus earth with a lead of 200 meters	Cum	75.94	60.00	Rupees sixty only
29	KSTR 13.6.3.6 Providing and fixing in position brass gate valve with CI wheel of approved quality (screwed end) 50 mm nominal bore including cost of all materials labour and HOM of equipments with all leads complete as per specifications.	Rmtr	10.00	1580.00	Rupees one thousand five hundred eighty only
30	Repairs to existing borewell				
a	Lifting of Submersible pump set (P.40/I.13) PRED SR (2008-09)	No.	7	700.00	Rupees seven hundred only
b	Transportation of pumping machineries (P.41/I.14)PRED SR (2008-09)	No.	7	540.00	Rupees five hundred forty only
c	A) Repairs to Motor: Rewinding of submersible pump sets with copper insulation wire of suitable gauge as per ISI specification with guarantee of 6 months. PRED SR (2008-09) P No. 39/ I. No. A) (Above 5 HP upto 10HP add Rs.175/- for every ½ HP)				
	B) 10 HP Motor	No.	8	4300.00	Rupees four thousand three hundred only
d	Stator (with one year Guarantee) P No. 40/ I No. C(1) PRED SR (2008-09)	No.	7	5300.00	Rupees five thousand three hundred only
e	Rotor (with one year Guarantee) P No. 40/ I No. C(2) PRED SR (2008-09)	No.	8	3800.00	Rupees three thousand eight hundred only
f	Upper Flange P. No. 40 / I No. 3 PRED SR (2008-09)	No.	8	300.00	Rupees three hundred only
g	Lower Housing P. No. 40 / I No.4 PRED SR (2008-09)	No.	8	490.00	Rupees four hundred ninety only

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h	Lower flange P. No. 40 / I No.5 PRED SR (2008-09)	No.	8	370.00	Rupees three hundred seventy only
i	a) Carbon Housing P. No. 40 / I No.7A PRED SR (2008-09)	No.	7	370.00	Rupees three hundred seventy only
j	b) Thrust bearing block assembly complete with Segment bearing pad.P. No. 40 / I No.7B PRED SR (2008-09)	No.	8	500.00	Rupees five hundred only
k	c)Top Carbon /Ferrado padding P. No. 40 / I No.7C PRED SR (2008-09)	No.	8	1550.00	Rupees one thousand five hundred fifty only
l	Bearing (GunMetal) Centrifugal cast Aluminium Bronze, bearing bush. P. No. 40 / I No.9 PRED SR (2008-09)	No.	10	370.00	Rupees three hundred seventy only
m	Motor Base with pin P. No. 41 / I No.11 PRED SR (2008-09)	No.	8	365.00	Rupees three hundred sixty five only
n	Re-erection charges of pumping machineries including overhauling and painting P. No. 40 / I No.15 PRED SR (2008-09)	No.	8	1000.00	Rupees one thousand only
o	Labour charges (overhauling only) P. No. 40 / I No.12 PRED SR (2008-09)	No.	8	490.00	Rupees four hundred ninety only
p	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement				
q	Pump Bowls P. No. 39 / I No.B1 PRED SR (2008-09)	No.	8	270.00	Rupees two hundred seventy only
r	Intermediate piece (I.P) with IP leaded bronze bush P. No. 39 / I No.B2 PRED SR (2008-09)	No.	8	650.00	Rupees six hundred fifty only
s	Oil Seal P. No. 39 / I No.B3 PRED SR (2008-09)	No.	8	100.00	Rupees one hundred only
t	Oil Seal Steel Bush P. No. 39 / I No.B4 PRED SR (2008-09)	No.	8	110.00	Rupees one hundred ten only
u	Guide vane P. No. 39 / I No.B5 PRED SR (2008-09)	No.	8	160.00	Rupees one hundred sixty only
v	Impellor (Shell moulded with aluminium and Bronze) P. No. 39 / I No.B6 PRED SR (2008-09)	No.	8	230.00	Rupees two hundred thirty only
w	a) Discharge outlet (D.O) Bearing D.O Steel Bush P. No. 39 / I No.7 RDED SR (2008-09)	No.	8	450.00	Rupees four hundred fifty only
x	b) D.O Bearing P. No. 39 / I No.B7 PRED SR (2008-09)	No.	8	80.00	Rupees eighty only
y	Steel Bush (D.O.Steel bush) P. No. 39 / I No.A7 PRED SR (2008-09)	No.	8	150.00	Rupees one hundred fifty only
z	Allen Screw P. No. 39 / I No.8 PRED SR (2008-09)	No.	8	70.00	Rupees seventy only
31	Supply of drinking water through water tanker in ward no:04 as per BWSSB approved rates.		420	330.00	Rupees three hundred thirty only

Signature of the Contractor

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64